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(54) **Composition for forming polishing pad, crosslinked body for polishing pad, polishing pad using the same and method for producing thereof**

(57) It is an object of the invention to provide a composition for forming a polishing pad comprising substances having specific functional groups exhibiting excellent hydrophilic properties and the like, a crosslinked body for polishing pad as well as a polishing pad with excellent water resisting and durability which exhibits excellent polishing performance including a high removal rate and method for producing thereof. The composition for forming a polishing pad comprises a crosslinkable elastomer having no carboxyl, amino, hydroxyl,

epoxy, sulfonic acid and phosphoric acid groups, and a water-insoluble substance having at least one functional group selected from the group consisting of carboxyl, amino, hydroxyl, epoxy, sulfonic acid and phosphoric acid groups. And a water-soluble substance such as cyclodextrin may be contained. A polishing pad can be manufactured using the composition above or the crosslinked body for polishing pad, and porous polishing pads may also be obtained.

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PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention shall be considered, for the purposes of subsequent proceedings, as the European search report

EP 01 12 5161

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|--|----------------------------------|--|
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| E,L | EP 1 164 559 A (JSR CORP) 19 December 2001 (2001-12-19) The document brings in doubt the priority of claims 8, 10-13 * paragraph '0025! * * claims 1,4,6,8; examples 1,2 * --- | 8,10-13 | B24D3/32 B24B37/04 |
| X | PATENT ABSTRACTS OF JAPAN vol. 2000, no. 05, 14 September 2000 (2000-09-14) & JP 2000 034416 A (JSR CORP), 2 February 2000 (2000-02-02) * abstract * * paragraphs '0008!', '0011!', '0013!', '0014!', '0016! * * paragraphs '0022!'-'0024!; table 1 * --- -/-- | 8,10-13 | |
| | | | TECHNICAL FIELDS SEARCHED (Int.Cl.7) |
| | | | B24B B24D |
| INCOMPLETE SEARCH | | | |
| <p>The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims.</p> <p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search: see sheet C</p> | | | |
| Place of search | | Date of completion of the search | Examiner |
| THE HAGUE | | 16 December 2003 | Petrucchi, L |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |

EPO FORM 1503 03/02 (P04/C07)



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INCOMPLETE SEARCH
SHEET C

Application Number
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Claim(s) searched completely:
8,10-13

Claim(s) not searched:
1-7,9

Reason for the limitation of the search:

The initial phase of the search revealed a very large number of documents relevant to the issue of novelty for claims 1-7 and 9. So many documents were retrieved that it is impossible to determine which parts of the claim(s) may be said to define subject-matter for which protection might legitimately be sought (Article 84 EPC). For these reasons, a meaningful search over claims 1-7 and 9 is impossible.

Consequently, the search has been restricted to the product mentioned in claims 8 and 10, and to the method mentioned in claims 11-13.



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Application Number
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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | CLASSIFICATION OF THE APPLICATION (Int.Cl.7) |
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82